

Amendments to the Specification

A new paragraph has been added to page 1 after line 1 as follows.

This application is a division of Application No. 09/253,512 filed February 22, 1999.

The paragraph starting at page 7, line 18 has been amended as follows.

Fig. 8 is a block diagram of the printer 100 of Fig. 1 embodying the invention. In Fig. 8, reference numeral 18 denotes a power switch corresponding to the power switch 1 in Fig. 1; 19 a cartridge exchange switch corresponding to the cartridge exchange switch 14 in Fig. 7; 20 a reset switch corresponding to the reset switch 2 in Fig. 1; 21 an LED which is lit on in green at the time of turn-on of the power source and corresponds to the LED 3 in Fig. 1; and 22 an LED which is lit on in orange at the time of occurrence of an error and likewise corresponds to the LED 3 in Fig. 1. The LED solely can be lit on in two colors of green and orange. In Fig. 8, reference numeral 23 denotes a signal line for transferring a signal indicative of the operation of the power switch 18 in Fig. 8 to an MPU 30 in Fig. 8. Since this signal is transmitted to the MPU 30 in Fig. 8 as an interrupt signal 26 in Fig. 8, it is preferentially processed in the MPU 30. In Fig. 8, reference ~~numeral~~ numerals 24 and 25 ~~denotes~~ denote an address bus and a data bus, respectively, for connecting a printer controller (printer control gate array) 27 in Fig. 8, the MPU 30, and ~~an~~ a ROM 29. Programs describing the operation and processes of the MPU

have been recorded in the ROM 29. In Fig. 8, the printer controller 27 has control functions such as switch, LED, interface, memory, and the like. In Fig. 8, reference number 28 denotes an a RAM for providing a memory area to temporarily store data or the like when the MPU 30 in Fig. 8 executes processes; 31 a signal line for transmitting a signal to control a stepping motor control section of stepping motors 32 and 33 in Fig. 8; 32 a carriage motor for moving a carriage 103 in Fig. 7 as a supporting member of the ink cartridge to the right and left when it is seen from the front direction of Fig. 1; and 33 a feed motor for feeding a print sheet. The print sheets are enclosed on a print sheet tray 101 in Fig. 1 and are ejected to a print sheet tray 102 through the inside of the printer. The movement of the print sheet is performed by the feed motor 33. In Fig. 8, reference numeral 35 denotes an ink cartridge shown in Fig. 6. The ink cartridge has a structure such that the ink itself and a head to emit the ink are integrated. An ID showing a type of ink cartridge itself has been also recorded in the ink cartridge. In Fig. 8, reference numeral 34 denotes a control line for controlling the head built in the ink cartridge 35 and reading out the ID.

The paragraph starting at page 18, line 19 has been amended as follows.

In case of printing the document, the user selects items according to the feature of the ~~document from a portion 84 in Fig. 14.~~ document. By selecting those items, the printer driver 59 forms the print data having the corresponding information. For example, in case of printing the color image at the same picture quality as that of a

photograph, a super photo [[84]] is selected. In case of printing an ordinary document, a document at the left edge of 84 is selected. Thus, desired print data is formed.

The paragraph starting at page 24, line 22 has been amended as follows.

By using this structure, an area as much as four printers is assured like “PRINTER_INFO PrtInfo [4]”. When the Information Center is executed by using the start address (&PrtInfo) of the assured area as an input parameter in step S1, if there are the usable printers, the Information Center stores the information of these printers into the structure. The return value from the Information Center shows the number of usable printers.

The paragraph starting at page 26, line 24 has been amended as follows.

When the number of pages is larger than the number of usable printers, in step S16, the total number of pages is divided by the number of printers and the number of pages which has to be printed per printer is stored into an area “BLK”. The page number of the page to be printed is stored into “B”. A remainder generated as a result of the division is stored into “R”. In processes in steps ~~S18~~ S17 to S22, the print data divided every BLK pages is sent to the printers. In step S21, a check is made to see if the print data has been transmitted to the printer connected to the port having the largest port number among the usable printers. In this case, the print data of final remaining R pages is sent to

the printer of the port with the largest port number in steps S23 to S30 and the processes are finished. Whether $R = 0$ or not is discriminated in step S24. When $R = 0$, the processes are finished without executing them.